

this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

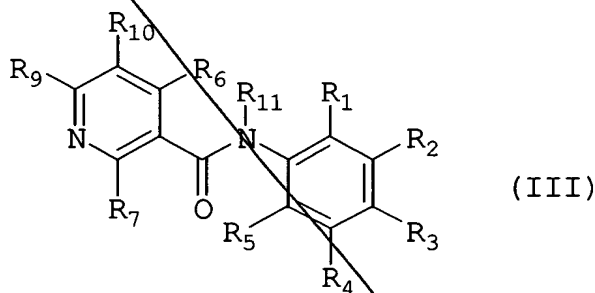
### *Amendments*

#### *In the Claims:*

Please cancel claims 1-32, 44, 48 and 62-70 without prejudice or disclaimer to the subject matter thereof.

Please substitute the following claims 33, 34, 35, 42, 43, 46, 47, 53, 54, 55, 56, 58 and 71 for pending claims 33, 34, 35, 42, 43, 46, 47, 53, 54, 55, 56, 58 and 71:

33. (Once Amended) A method of treating a disorder responsive to the induction of apoptosis in an animal suffering therefrom, comprising administering to a mammal in need of such treatment an effective amount of a compound of Formula III:



or a pharmaceutically acceptable salt or prodrug thereof, wherein

*a'*  
*Sub B'*  
R<sub>1</sub>-R<sub>7</sub> and R<sub>9</sub>-R<sub>10</sub> are independently hydrogen, halo, haloalkyl, haloalkoxy, aryl, fused aryl, carbocyclic, fused carbocyclic, a heterocyclic group, fused heterocyclic, a heteroaryl group, alkyl, alkenyl, alkynyl, arylalkyl, arylalkenyl, arylalkynyl, heteroarylalkyl, heteroarylalkenyl, heteroarylalkynyl, carbocycloalkyl, heterocycloalkyl, hydroxyalkyl, nitro, aminoalkyl, cyano, cyanoalkyl, acyl, acylamido, hydroxy, thiol, acyloxy, azido, alkoxy, alkoxycarbonyl, aryloxy, arylalkoxy, carboxy, carbonylamido, alkylthiol, -NH<sub>2</sub>, -NHR<sub>15</sub> or -NR<sub>15</sub>R<sub>16</sub>, wherein

R<sub>15</sub> and R<sub>16</sub> are independently optionally substituted C<sub>1-10</sub> alkyl, heterocyclic or heteroaryl groups; and

R<sub>11</sub> is hydrogen; or alkyl, cycloalkyl, aryl or heteroaryl, each of which is optionally substituted;

provided that:

when R<sub>1-2</sub> and R<sub>4-11</sub> are hydrogen, R<sub>3</sub> is not optionally substituted pyrazolyl;

when R<sub>1-5</sub> are hydrogen, each of R<sub>9</sub> and R<sub>10</sub> is not phenyl;

when R<sub>3</sub> is methoxy and R<sub>5-11</sub> are hydrogen, each of R<sub>2</sub> and R<sub>4</sub> is not cyclopentyloxy;

when R<sub>1-3</sub> and R<sub>5-11</sub> are hydrogen, R<sub>4</sub> is not optionally substituted alkyl;

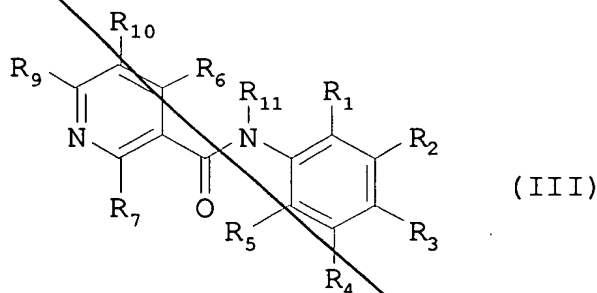
when R<sub>3-11</sub> are hydrogen, R<sub>1</sub> and R<sub>2</sub> are not taken together to form optionally substituted thienyl-1,1-dioxide or partially saturated thienyl-1,1-dioxide; and

when R<sub>1</sub> and R<sub>4-11</sub> are hydrogen, R<sub>2</sub> and R<sub>3</sub> are not taken together to form substituted pyranyl.

34. (Once Amended) The method of claim 33, wherein R<sub>1</sub> and R<sub>2</sub>, or R<sub>2</sub> and R<sub>3</sub>, or R<sub>3</sub> and R<sub>4</sub>, or R<sub>4</sub> and R<sub>5</sub> are taken together to form an optionally substituted carbocycle or an optionally substituted heterocycle, provided that said optionally substituted heterocycle is not optionally substituted saturated or partially saturated thienyl-1,1-dioxide or substituted pyranyl.

35. (Once Amended) The method of claim 34, wherein said R<sub>1</sub> and R<sub>2</sub>, or R<sub>2</sub> and R<sub>3</sub>, or R<sub>3</sub> and R<sub>4</sub>, or R<sub>4</sub> and R<sub>5</sub> are taken together to form -OCH<sub>2</sub>O-, -(CH<sub>2</sub>)<sub>3</sub>-, -(CH<sub>2</sub>)<sub>4</sub>-, -OCH<sub>2</sub>CH<sub>2</sub>O-, -CH<sub>2</sub>N(R)CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>N(R)CH<sub>2</sub>-, -CH<sub>2</sub>N(R)CH<sub>2</sub>CH<sub>2</sub>-, -CH=CH-CH=CH-, -N(R)-CH=CH-, -CH=CH-N(R)-, -O-CH=CH-, -CH=CH-O-, or -N=CH-CH=N-, wherein the carbocycle or heterocycle is optionally substituted, and R is hydrogen, alkyl, haloalkyl, aryl, fused aryl, carbocyclic, a heterocyclic group, a heteroaryl group, alkenyl, alkynyl, arylalkyl, arylalkenyl, arylalkynyl, heteroarylalkyl, heteroarylalkenyl, heteroarylalkynyl, carbocycloalkyl, heterocycloalkyl, hydroxyalkyl or aminoalkyl.

42. (Once Amended) A method for treating cancer, comprising administering to an animal in need of such treatment an effective amount of a compound of Formula III:



or a pharmaceutically acceptable salt or prodrug thereof, wherein

*A<sup>2</sup>*  
*Sub B<sup>2</sup>*  
R<sub>1</sub>-R<sub>7</sub> and R<sub>9</sub>-R<sub>10</sub> are independently hydrogen, halo, haloalkyl, haloalkoxy, aryl, fused aryl, carbocyclic, fused carbocyclic, a heterocyclic group, fused heterocyclic, a heteroaryl group, alkyl, alkenyl, alkynyl, arylalkyl, arylalkenyl, arylalkynyl, heteroarylalkyl, heteroarylalkenyl, heteroarylalkynyl, carbocycloalkyl, heterocycloalkyl, hydroxyalkyl, nitro, aminoalkyl, cyano, cyanoalkyl, acyl, acylamido, hydroxy, thiol, acyloxy, azido, alkoxy, alkoxycarbonyl, aryloxy, arylalkoxy, carboxy, carbonylamido or alkylthiol, -NH<sub>2</sub>, -NHR<sub>15</sub> or -NR<sub>15</sub>R<sub>16</sub>, wherein

R<sub>15</sub> and R<sub>16</sub> are independently optionally substituted C<sub>1-10</sub> alkyl, heterocyclic or heteroaryl groups; and;

R<sub>11</sub> is hydrogen; or alkyl, cycloalkyl, aryl or heteroaryl, each of which is optionally substituted;

provided that:

when R<sub>1-2</sub> and R<sub>4-11</sub> are hydrogen, R<sub>3</sub> is not optionally substituted pyrazolyl;

when R<sub>1-5</sub> are hydrogen, each of R<sub>9</sub> and R<sub>10</sub> is not phenyl;

when R<sub>3</sub> is methoxy and R<sub>5-11</sub> are hydrogen, each of R<sub>2</sub> and R<sub>4</sub> is not cyclopentyloxy;

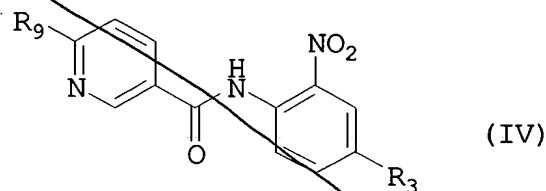
when R<sub>1-3</sub> and R<sub>5-11</sub> are hydrogen, R<sub>4</sub> is not alkyl;

when R<sub>3-11</sub> are hydrogen, R<sub>1</sub> and R<sub>2</sub> are not taken together to form optionally substituted thienyl-1,1-dioxide or partially saturated thienyl-1,1-dioxide; and

when R<sub>1</sub> and R<sub>4-11</sub> are hydrogen, R<sub>2</sub> and R<sub>3</sub> are not taken together to form substituted pyranyl.

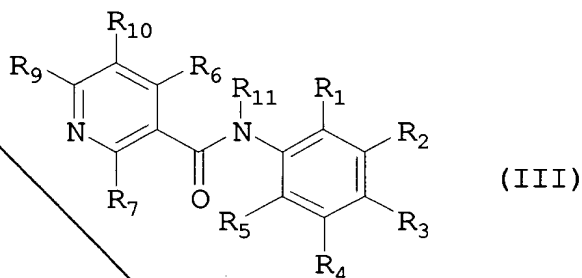
43. (Once Amended) The method of claim 42, wherein said compound is of

Formula IV:



or pharmaceutically acceptable salts or prodrugs thereof.

46. (Once Amended) A method for the treatment of drug resistant cancer, comprising administering to an animal in need of such treatment an effective amount of a compound of the Formula III:



or a pharmaceutically acceptable salt or prodrug thereof, wherein:

R<sub>1</sub>-R<sub>7</sub> and R<sub>9</sub>-R<sub>10</sub> are independently hydrogen, halo, haloalkyl, haloalkoxy, aryl, fused aryl, carbocyclic, fused carbocyclic, a heterocyclic group, fused heterocyclic, a heteroaryl group, alkyl, alkenyl, alkynyl, arylalkyl, arylalkenyl, arylalkynyl, heteroarylalkyl, heteroarylalkenyl, heteroarylalkynyl, carbocycloalkyl, heterocycloalkyl, hydroxyalkyl, nitro, aminoalkyl, cyano, cyanoalkyl, acyl, acylamido, hydroxy, thiol, acyloxy, azido, alkoxy,

alkoxycarbonyl, aryloxy, arylalkoxy, carboxy, carbonylamido or alkylthiol,  $-\text{NH}_2$ ,  $-\text{NHR}_{15}$  or  $-\text{NR}_{15}\text{R}_{16}$ , wherein

$\text{R}_{15}$  and  $\text{R}_{16}$  are independently optionally substituted  $\text{C}_{1-10}$  alkyl, heterocyclic or heteroaryl groups; and; and

$\text{R}_{11}$  is hydrogen; or alkyl, cycloalkyl, aryl or heteroaryl, each of which is optionally substituted;

provided that:

when  $\text{R}_{1-2}$  and  $\text{R}_{4-11}$  are hydrogen,  $\text{R}_3$  is not optionally substituted pyrazolyl;

when  $\text{R}_{1-5}$  are hydrogen, each of  $\text{R}_9$  and  $\text{R}_{10}$  is not phenyl;

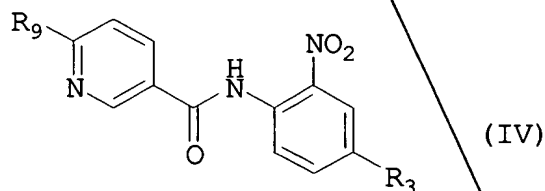
when  $\text{R}_3$  is methoxy and  $\text{R}_{5-11}$  are hydrogen, each of  $\text{R}_2$  and  $\text{R}_4$  is not cyclopentyloxy;

when  $\text{R}_{1-3}$  and  $\text{R}_{5-11}$  are hydrogen,  $\text{R}_4$  is not alkyl;

when  $\text{R}_{3-11}$  are hydrogen,  $\text{R}_1$  and  $\text{R}_2$  are not taken together to form optionally substituted thienyl-1,1-dioxide or partially saturated thienyl-1,1-dioxide; and

when  $\text{R}_1$  and  $\text{R}_{4-11}$  are hydrogen,  $\text{R}_2$  and  $\text{R}_3$  are not taken together to form substituted pyranyl.

47. (Once Amended) The method of claim 46, wherein said compound is of Formula IV:



*A3 Sub B3*  
or pharmaceutically acceptable salts or prodrugs thereof.

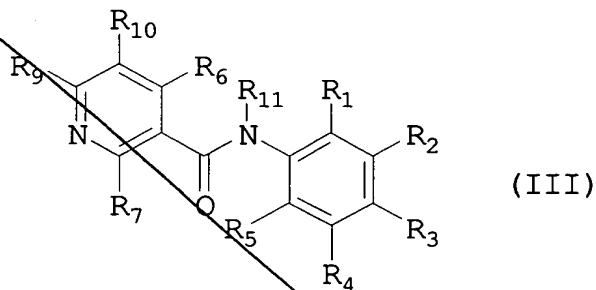
*A4*  
53. (Once Amended) The method of claim 33, wherein said disorder is an autoimmune disease.

54. (Once Amended) The method of claim 33, wherein said disorder is rheumatoid arthritis.

*B*  
55. (Once Amended) The method of claim 33, wherein said disorder is inflammatory bowel disease.

56. (Once Amended) The method of claim 33, wherein said disorder is a skin disease.

*A5*  
58. (Once Amended) A compound of Formula III:



or a pharmaceutically acceptable salt or prodrug thereof, wherein

*Q5*  
*Sub*  
*b4*  
R<sub>1</sub> and R<sub>5</sub> are independently selected from the group consisting of hydrogen, hydroxy, alkyl, alkoxy, halogen, NO<sub>2</sub>, cyano, haloalkyl, haloalkoxy, amino and aminoalkyl, provided that at least one of R<sub>1</sub> and R<sub>5</sub> is selected from the group consisting of NO<sub>2</sub>, cyano, alkyl and haloalkyl;

R<sub>2</sub> and R<sub>4</sub> are independently selected from the group consisting of hydrogen, hydroxy, halogen, cyano, haloalkyl, haloalkoxy, amino and aminoalkyl;

R<sub>3</sub> is alkyl, Cl, F, haloalkyl, alkoxy, arylalkoxy, cyano, haloalkyloxy, amino or aminoalkyl;

R<sub>6</sub> is hydrogen, hydroxy, alkyl, NO<sub>2</sub>, cyano, haloalkyl, haloalkyloxy, amino or aminoalkyl;

R<sub>7</sub> is hydrogen, hydroxy, alkyl, NO<sub>2</sub>, cyano, haloalkyl, haloalkyloxy, amino or aminoalkyl;

R<sub>9</sub> is hydroxy, alkyl, halogen, NO<sub>2</sub>, haloalkyl, alkoxy, cyano, haloalkyloxy, amino or aminoalkyl;

R<sub>10</sub> is hydrogen, hydroxy, alkyl, Cl, F, NO<sub>2</sub>, cyano, haloalkyl, haloalkyloxy, amino or aminoalkyl; and

R<sub>11</sub> is hydrogen, alkyl or haloalkyl;

provided that when R<sub>2</sub> and R<sub>4</sub> are hydrogen and each of R<sub>9</sub> and R<sub>10</sub> is halo, R<sub>1</sub> and R<sub>3</sub> are not both alkyl.

*A6 C1*  
*cont*

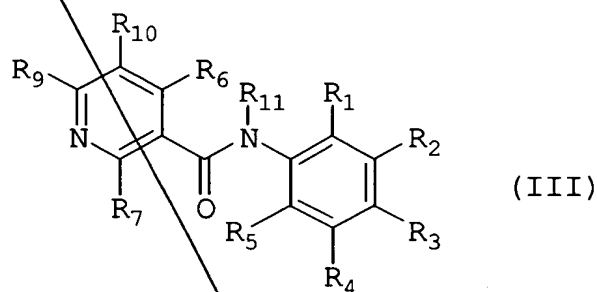
71. (Once Amended) A pharmaceutical composition, comprising the compound of any one of claims 58-61, and a pharmaceutically acceptable carrier.



Please add the following new claims:

R1, 126  
Q 7

~~74~~  
~~--72.~~ (New) A method of treating a disorder responsive to the induction of apoptosis in an animal suffering therefrom, comprising administering to a mammal in need of such treatment an effective amount of a compound of Formula III:



or a pharmaceutically acceptable salt or prodrug thereof, wherein

$R_1$ - $R_7$  and  $R_9$ - $R_{10}$  are independently hydrogen, halo, haloalkyl, haloalkoxy, aryl, fused aryl, carbocyclic, a heterocyclic group, a heteroaryl group, alkyl, alkenyl, alkynyl, arylalkyl, arylalkenyl, arylalkynyl, heteroarylalkyl, heteroarylalkenyl, heteroarylalkynyl, carbocycloalkyl, heterocycloalkyl, hydroxyalkyl, nitro, amino, aminoalkyl, cyano, cyanoalkyl, acyl, acylamido, hydroxy, thiol, acyloxy, azido, alkoxy, alkoxycarbonyl, aryloxy, arylalkoxy, carboxy, carbonylamido or alkylthiol; and

$R_{11}$  is hydrogen, or alkyl, cycloalkyl, aryl or heteroaryl, each of which is optionally substituted;

provided that said disorder is not an autoimmune disease, psoriasis or inflammatory bowel syndrome.

~~73~~  
75

(New) The method of claim 33, wherein said disorder is inflammation.

~~74~~  
76

(New) The compound of any one of the claims 33, 42, 46, 58 and ~~72~~ 74

wherein optional substituents on the aryl, aralkyl and heteroaryl groups include one or more halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>6</sub>-C<sub>10</sub> aryl, C<sub>4</sub>-C<sub>7</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>6</sub>-C<sub>10</sub> aryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, C<sub>6</sub>-C<sub>10</sub> aryl(C<sub>2</sub>-C<sub>6</sub>)alkenyl, C<sub>6</sub>-C<sub>10</sub> aryl(C<sub>2</sub>-C<sub>6</sub>)alkynyl, C<sub>1</sub>-C<sub>6</sub> hydroxyalkyl, nitro, amino, ureido, cyano, C<sub>1</sub>-C<sub>6</sub> acylamino, hydroxy, thiol, C<sub>1</sub>-C<sub>6</sub> acyloxy, azido, C<sub>1</sub>-C<sub>6</sub> alkoxy or carboxy.

~~75~~  
77

(New) The compound of any one of the claims 33, 42, 46, 58 and ~~72~~ 74, wherein

said prodrug is:

- a.) an ester of a carboxylic acid;
- b.) an ester of a hydroxyl group;
- c.) an imine;
- d.) a carbamate; or
- e.) an acetal or ketal of at least one of the groups R<sub>1-10</sub>--

Q7  
rem  
505  
9/12/02  
sub  
BS